

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/955267 Confirmation No.: 8699  
Applicant : Barry Freel et al.  
Filing Date : September 18, 2001  
Title : PRODUCTS PRODUCED FORM RAPID THERMAL  
PROCESSING OF HEAVY HYDROCARBON FEEDSTOCKS  
Group Art Unit : 1764  
Examiner : Tam M. Nguyen  
Docket No. : 18153.4003 (formerly 6340/16)  
Customer No. : 34313

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO/SB/08a. Copies of foreign patent documents and non-patent literature were previously provided to the Examiner in co-pending application Serial Nos. 09/958261, 10/269538 and 10.419053.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

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**INFORMATION DISCLOSURE STATEMENT FILING PROVISION:**

☐ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d); or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.

☐ This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.

☐ The fee due under 37 CFR § 1.17(p) is submitted herewith.

☐ A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account below.

☐ This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted herewith.

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**STATEMENT UNDER 37 CFR § 1.97(e):**

- ☐ Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
- ☐ No item contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

**PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:**

- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the above fee(s).
- ☐ Please charge **\$180.00** to Deposit Account No. **15-0665** for the above fee(s).
- ☒ The Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Orrick, Herrington & Sutcliffe's Deposit Account No. **15-0665**.

Respectfully submitted,  
ORRICK, HERRINGTON & SUTCLIFFE LLP

Dated: April 17, 2007

By: Eugene R. Worley  
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PTO/SB/08A (05-03)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<i>Complete if Known</i>		
				Application Number	09/955267	
				Filing Date	September 18, 2001	
				First Named Inventor	Barry Freel	
				Group Art Unit	1764	
Examiner Name	Tam M. Nguyen					
Sheet	1	of	1	Attorney Docket Number	18153.4003	

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publications of Cited Documents MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup>			
	A	3039955		Honnold	6/19/1962	
	B	3915844		Ueda	10/28/1995	
	C	4054492		Rammler et al.	10/18/1977	
	D	4057490		Wynne Jr.	11/08/1977	
	E	4090285		McKinney et al.	03/21/1978	
	F	4097362		McKinney et al.	06/27/1978	
	G	4305809		Chen et al.	12/15/1981	
	H	4448589		Fan	05/15/1984	
	I	4747938		Khan	05/31/1988	
	J	4861458		Martin et al.	08/29/1989	
	K	4325817		Bartholic et al.	04/1982	
	L	4604268		Kay et al.	08/1986	
	M	4661240		Kessick et al.	04/1987	
	N	5077261		Schubert	12/1991	
	O	5102854		Delzer et al.	04/1992	
	P	5264623		Oehr et al.	11/1993	
	Q	5310717		Delzer et al.	05/1994	
	R	5904839		Brons	05/18/1999	
	S	5928501		Sudhakar	7/1999	
	T	2002/010071 1 A1		Freel et al.	08/01/2002	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document		Date MM-DD-YYYY	Country	
		Country <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
	U		WO 91/11499	08/08/1991	WIPO	
	V		0 072 873 B1	2/26/1986	EPO	

Examiner Signature	OHS West-260215889.1 18153-4003	Date Considered	
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<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup>Unique citation designation number. <sup>3</sup>See attached Kinds of U.S. Patent Documents. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 15 if possible. <sup>7</sup>Applicant is to place a check mark here if English language Translation is attached.

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	W	WO 97/31083	08/29/1997	WIPO	
	X	DE 38 28 633 A1	03/09/1989	Germany	

Examiner Signature	OHS West:260215889.1 18153-4003	Date Considered	
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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